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No. of Pages. **12**
(including this cover)

We are sending additional charts and graphs to better prove the criticality of dimension ratios or the ABC analysis ratio of 0.3 (or 0.33) to 0.9.

The page 6 of this fax is spreadsheet giving the value of Σ (Efficiency Factor) for the specific values of ratio of a1 and a2.

The page 7 of this fax is a spreadsheet chart for four values of a2 which shows the critical drop of value of Σ outside of claimed ranges.

Pages 8 to 9 show the comparison data that displays how the Alogos double applications inventory calculations show that using the relationship of a1/a2 defining the range of a2 on page 2, a much closer to optimum we are including it as is.

Page 10 of 58DC NYS Not having enough time to edit we are including it as is. Please read chapters "An Introduction to the QSP based understanding of what this technology is about."

Successful implementations to

As we agreed on Tuesday, we will call you at 10:00 a.m. on Thursday October 18.
Look forward to speaking to you.



Dear Mr. King, Mr. Hoffman:

Dear Mr. King, I am writing you this letter about my invention. The responses that I received from Ms. Collon (NYC 600C), Mr. Sirones (NYC 590C) and Mr. November (SCORE) were not what I had hoped for but I am ready to take all the blame for this. I feel like some people are afraid of me because of my name. In writing this letter, I assume there were some ambiguities in the description of my innovation. I guess this is why it seems like Mr. Sirones believes that the innovation I am describing is already being used by someone.

In reality, my innovation is a technology which will streamline the process of designing and producing metal parts used in many industries. Since one of the main components of the proposed technology is the analytical optimization method, it will be called **OWSEM** (pronounced "awesome") - **O**ptimal **W**eight **S**tructural **E**lement **M**ethod.

The reason I was thinking about naming my future company "STONEBRIDGE DESIGN" is because my last name - Kamenomostskiy - is Russian for "coming from the Stone Bridge" and I wanted to use this name to honor the memory of my father (a Lead Designer for Gagarin/Korolyov - the founder and the head of the Soviet Space Program) and my grandfather (a Lead Designer for the first Soviet satellite - Sputnik).

I am a U.S. citizen and hold an M.S. Degree in Mechanical Engineering and a Ph.D. in Aviation Structural Design and Engineering. I worked in both the aircraft and civil engineering design fields in the USSR for 20 years. I was a Lead Designer in the hydraulic Design Office and a Senior Researcher in V. A. Kucherenko's State Research and Design Structures (aircraft) in Moscow, Russia.

I am certain that it will be worth your time to read these pages constituting a basic introduction to my innovation. If you or any of your associates would like further details, I will be happy to provide them either via electronic or regular mail, phone or, ideally, in person.

An Introduction to the Application of CWSEM and Its Benefits

The innovation that I am proposing, GWSBM (part of which is U.S. patent pending 10/915,616, Pub. No. US 2009/0016117, PCT/US00/00494) relates to metal shapes of different standard configurations (profiles) that are extruded or rolled from aluminum, steel and other alloys in immense volumes all over the world by multi-billion dollar manufacturing plants. These shapes are used in a wide variety of engineering designs in the aerospace construction, transportation, naval ship building, automotive and other fields.

OWSEM is the method of optimizing the design of these shapes' cross-sectional dimensions and, when implemented, will allow for the production of shapes at a more efficient, reduced weight while still retaining the same durability and structural integrity under the specified loads. Instead of being forced to choose shapes from a limited number of standard shapes, shape producers will now be able to specify the exact cross-sectional dimensions for the shapes' producers to more accurately utilize.

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My calculations show an average of a 20% weight reduction (from 10% to 35%) based on several chosen shapes produced by the Alcoa Corp. from their own alloys for all loads typical to aerospace applications. The weight reduction is based on the fact that the Alcoa Corp. has developed a number of these shapes are made from, and/or 2) resources (including energy necessary to produce the raw material and the manufacturing process) required to produce the shapes. The weight reduction is a significant reduction of negative environmental effects (i.e. destruction of soil during mining, air and water pollution, etc.)

OVGSEM allows for the designing and building of spaceships, airplanes, naval ships, automobiles, etc., at the minimal weight which brings the capability of carrying additional load and/or offering superior luxury and/or providing a tremendous increase in fuel efficiency (once again, saving energy and reducing the negative effects of pollution). The OVGSEM is a method of determining the minimum weight of a vehicle and the available areas to lift it, additional thrust to overcome the associated incremental drag and additional fuel to travel the same distance. The OVGSEM is a method of determining the minimum weight of a vehicle and the available areas to lift it, ending up with the aircraft's gross weight increased from 2 to 10 times per every additional pound of empty weight. Let us begin the OVGSEM by considering the "weight differential" exists in the design and exploitation of spaceships, which the OVGSEM will be even more significant.

In construction, **OWBEM** both minimizes the dead load of the structure and increases reliability, allowing for the erecting of taller buildings and more efficient bridges with the ability to build them where the ground can not support the extra weight.

It does not seem like much... When exaggeration to think that my innovation, when implemented (and it is ready for implementation NOW), will bring to the U.S. and world economies BILLIONS OF DOLLARS in savings and productivity gains, and that it will change the infrastructure of many industries involved. All that is necessary is ADDITIONAL capital investment and changes in manufacturing production techniques. The process can be easily adjusted to roll or extrude shapes in accordance with the customers' building specifications.

Examples of Successful Implementations
In the USSR, I have had successful implementations of an early version of my innovation that validate my statements:

[illegible]

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